

We claim:

1. A coolant composition to be blended in coolant for cooling a fuel cell stack, comprising a base material and a dye which maintains the electrical conductivity of the coolant at 10  $\mu\text{S}/\text{cm}$  or lower at 25°C.
2. A coolant composition to be blended in coolant for cooling a fuel cell stack, comprising a base material and a dye which passes through a cation or anion exchanger provided in the fuel cell stack.
3. The coolant composition according to claim 1 or 2, wherein the dye does not change or hardly changes the hue of the coolant at 100°C.
4. The coolant composition according to any one of claims 1 to 3, wherein the dye is selected from the group consisting of azoic dyes, sulfuric dyes, vats, oil-soluble dyes,

disperse dyes and combinations thereof, which do not have a sulfonic acid group or a carboxyl group.

5. The coolant composition according to claim 4, wherein the azoic dye is Azoic Blue 10 as defined by SDC.

6. The coolant composition according to claim 4, wherein the sulfuric dye is selected from the group consisting of Sulphur Blue 3, Sulphur Blue 6, Sulphur Blue 7, Sulphur Blue 9, Sulphur Blue 13, Sulphur Green 1, Sulphur Red 2, Sulphur Red 3, Sulphur Red 5 and Sulphur Red 7 as defined by SDC.

7. The coolant composition according to claim 4, wherein the vat is selected from the group consisting of Vat Blue 1, Vat Blue 3, Vat Blue 4, Vat Blue 5, Vat Blue 6, Vat Blue 12,

Vat Blue 13, Vat Blue 14, Vat Blue 18, Vat Blue 19, Vat Blue 20, Vat Blue 35, Vat Blue 41, Vat Green 1 and Vat Red 1 as defined by SDC.

8. The coolant composition according to claim 4, wherein the oil-soluble dye is selected from the group consisting of Solv. Blue 36, Solv. Blue 63, Solv. Green 3, Solv. Red 23, Solv. Red 43, Solv. Red 48, Solv. Red 72, Solv. Orange 2, Solv. Yellow 33 and Solv. Yellow 73 as defined by SDC.

9. The coolant composition according to claim 4, wherein the disperse dye is selected from the group consisting of Disperse Blue 1, Disperse Blue 3, Disperse Blue 14, Disperse Orange 1, Disperse Orange 3, Disperse Orange 11, Disperse Orange 13, Disperse Orange 25, Disperse Red 1, Disperse Red 13, Disperse Red 19, Disperse Yellow 3, and Disperse Yellow 9 as defined by SDC.

10. The coolant composition according to any one of claims 1 to 9, wherein the dye is contained 0.00001 to 0.1 % by weight.

11. The coolant composition according to any one of claims 1 to 10, wherein the base material is selected from the group consisting of water, glycols, alcohols, glycol ethers and mixtures thereof.

12. The coolant composition according to any one of claims 1 to 11, further comprising an anti-rust additive and an anti-foam agent.